

CHARGING REBELLE RALLY WITH RENEWABLE INNOVATIONS

Making Hydrogen Easy

OVERVIEW

Renewable Innovations is a renewable energy provider focused on utilizing hydrogen to deliver clean, green, and scalable power. Offering a large variety of grid-free products such as their Mobile Energy Command-Hydrogen (MEC-H) and Mobile Energy Command-Solar (MEC-S), Renewable Innovations supports a wide range of electrification needs for the electric vehicle and stationary markets. To showcase the capabilities of their systems in remote and hard to electrify regions, Renewable Innovations brought both MECs to the 2022 Rebelle Rally.

Rebelle Rally contestants travel over 2,500 kilometers across the Nevada and California desert with no access to electricity. With the need to power both the Rally EV fleet and base camps, the race organizers turned to Renewable Innovations to support their power needs. The MEC-H primarily charged the EVs participating in the competition while the MEC-S focused on powering four different base camps.

Powered by Hydrogen Fuel Cells (HFC), the MEC-H needed a reliable source of hydrogen to support the drivers' charging needs. With locations in the middle of the desert, finding a transport system to deliver hydrogen quickly and efficiently was difficult. As the start of the Rally began to inch closer, Renewable Innovations was in a crunch to find a hydrogen supplier that could support their needs in such a remote location.

With significant experience providing hydrogen to remote locations BayoTech's GTM system became a clear solution to the challenge. The large payload paired with direct fueling capabilities created a unique solution that only BayoTech was able to provide in a short timeframe.

KEY CHALLENGES



Finding a hydrogen provider to deliver hydrogen in an extremely remote location.



Accessible hydrogen supply that was readily deployable upon delivery to the Renewable Innovations Mobile Energy Command - Hydrogen.



Assurance of future access to hydrogen fuel supply for temporary and emergency use.



THE SOLUTION

BayoTech's Gas Transport Module (GTM) was able to provide Renewable Innovations a hydrogen fueling solution within a tight deadline. The GTM1500 provides a smart flexible way to transport large quantities of compressed gas in a compact footprint. The rugged durability and ability to be pulled via pick-up truck made the GTM the perfect delivery system for the desert location where the Rebelle Rally was being held. With experience in delivering hydrogen in locations such as national parks, remote mountain tops and other hard-to-reach areas, the BayoTech team was fully equipped to take on the challenge that Renewable Innovations proposed.

RESULTS

Renewable Innovation's need for hydrogen fuel was urgent and required a unique solution due to the remote locations where hydrogen was needed. BayoTech's experience with similar delivery locations and quick mobilization provided an easy solution and helped keep the Rebelle Rally competition and drivers on track.

Happy with the success of the event, Renewable Innovations is now looking at future opportunities to utilize BayoTech's full range of delivery capabilities for future events.

“Charging EVs in this harsh and remote environment shows you can use hydrogen for rapid EV power anywhere! The BayoTech GTM system pulled up and we were able to immediately start charging the Rally EV fleet - all using hydrogen. If we can do it here, we can do it in every city and across every highway to deliver the clean, green charging that EV owners want.”

Bob Mount
CEO, Renewable Innovations

THE BAYOTECH SOLUTION

No matter where your hydrogen needs are located, BayoTech has the right hydrogen fueling solution. BayoTech's range of flexible, modular and scalable infrastructure solutions provide options for any major event or project. From sand dunes to ports, BayoTech takes care of your hydrogen needs. Leave the details of hydrogen supply to us and focus on what you do best – providing exceptional customer service.

For more information visit: www.bayotech.us

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